

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

22581 U.S. PTO
10/731615

120803

Re: Inventor: Peter F. Chu
Title: EER MODULATOR WITH POWER AMPLIFIER HAVING FEEDBACK LOOP PROVIDING SOFT OUTPUT IMPEDANCE

Transmitted herewith is the patent application identified above, including:

- Specification, claims and abstract, totaling 15 pages
 Drawings totaling 4 pages, Formal
 Executed Declaration and Power of Attorney
 Assignment of the invention to Northrop Grumman Corporation
 Assignment Recordation Cover Sheet
 Information Disclosure Statement, Form PTO-1449, and two (2) non-patent literature documents

FEE CALCULATION

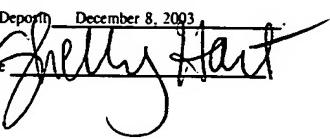
Fee Items	Claims Filed	Included With Basic Fee	Extra Claims	Fee Rate	Total
Total Claims	15	-20=	0	X\$18.00	\$000.00
Independent Claims	2	-3=	0	X\$86.00	\$000.00
Basic Filing Fee				\$770.00	\$770.00
TOTAL FEES					\$770.00

- The Commissioner is hereby authorized to charge \$770.00 to Deposit Account No. 50-0338.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0338. A duplicate copy of this transmittal is enclosed.
- Please address all future correspondence to: Robert M. Wallace
Patent Counsel
2112 Eastman Avenue, Suite 102
Ventura, CA 93003

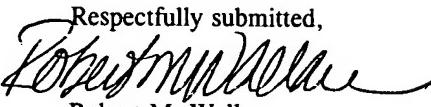
I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Receipt No. EL 981376108 US

Date of Deposit December 8, 2003

Signature 

Respectfully submitted,


Robert M. Wallace
Registration No. 29,119